

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
 Data File : BF081722.D  
 Acq On : 21 Sep 2015 19:41  
 Operator : UM/IZ  
 Sample : G3717-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-1-9-17-15

Quant Time: Sep 22 01:03:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

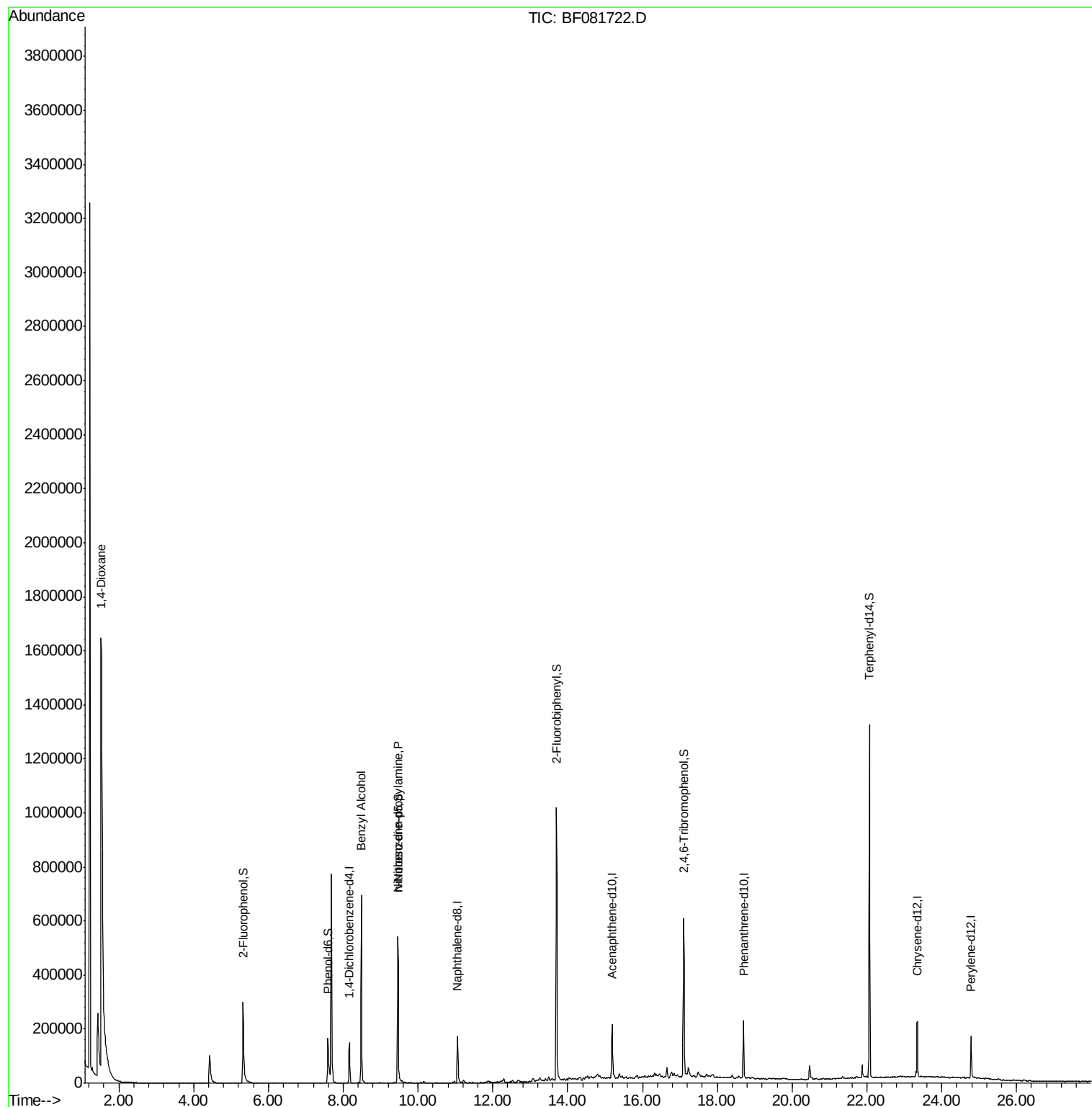
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.16  | 152  | 40303    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8             | 11.05 | 136  | 155322   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10           | 15.19 | 164  | 72469    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10           | 18.70 | 188  | 143973   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12               | 23.35 | 240  | 108419   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.78 | 264  | 79557    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 165744   | 63.81  | ng    | -0.03    |
| 7) Phenol-d6                   | 7.59  | 99   | 139477   | 40.56  | ng    | -0.06    |
| 23) Nitrobenzene-d5            | 9.46  | 82   | 370323   | 115.03 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol       | 17.10 | 330  | 108579   | 168.27 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl           | 13.71 | 172  | 622312   | 110.04 | ng    | -0.07    |
| 78) Terphenyl-d14              | 22.07 | 244  | 523103   | 112.31 | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.53  | 88   | 106043   | 90.90  | ng    | # 11     |
| 15) Benzyl Alcohol             | 8.48  | 79   | 6390     | 2.27   | ng    | # 34     |
| 19) n-Nitroso-di-n-propylamine | 9.46  | 70   | 45420    | 19.41  | ng    | # 68     |

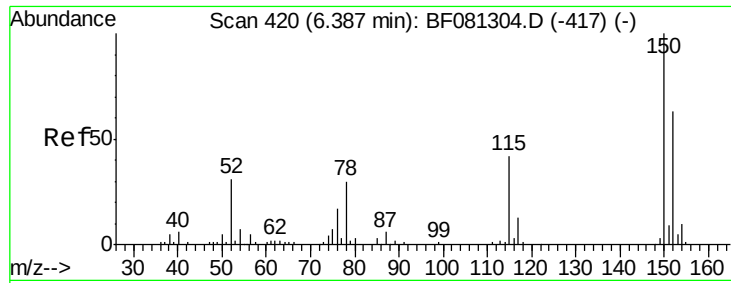
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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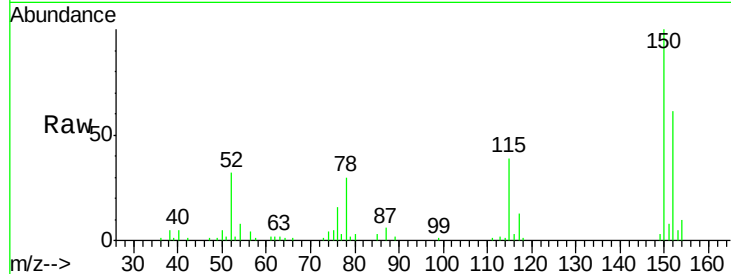


#1

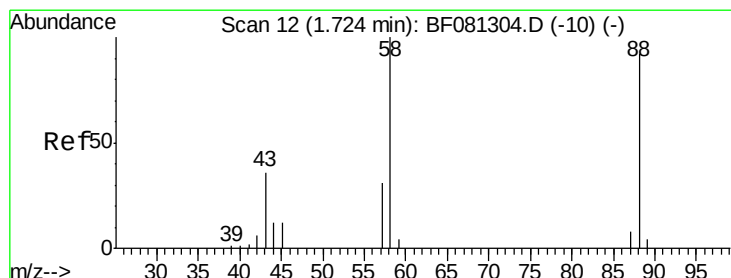
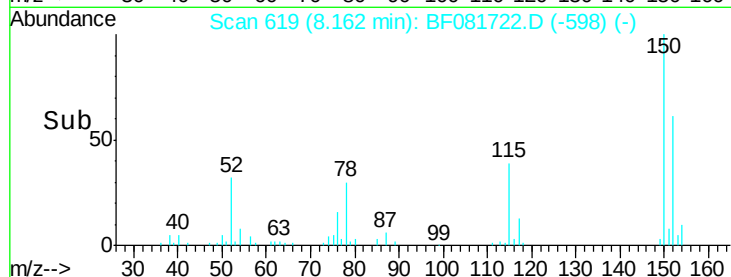
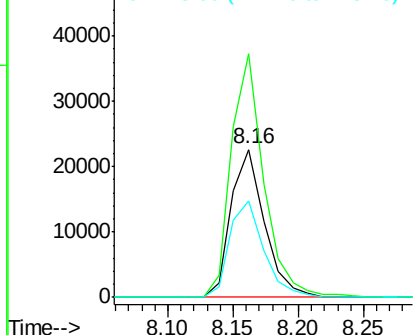
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.16 min Scan# 619  
Delta R.T. -0.06 min  
Lab File: BF081722.D  
Acq: 21 Sep 2015 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PZ-1-9-17-15

Tgt Ion:152 Resp: 40303  
Ion Ratio Lower Upper  
152 100  
150 165.0 124.7 187.1  
115 64.9 39.0 58.4#



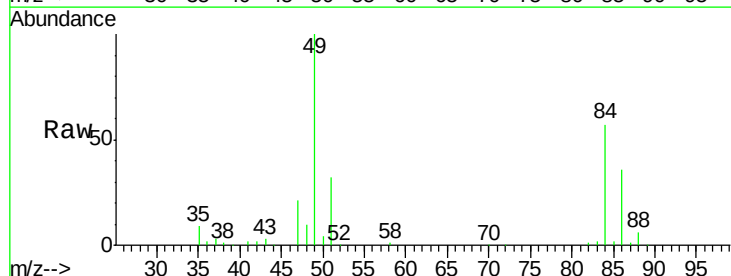
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



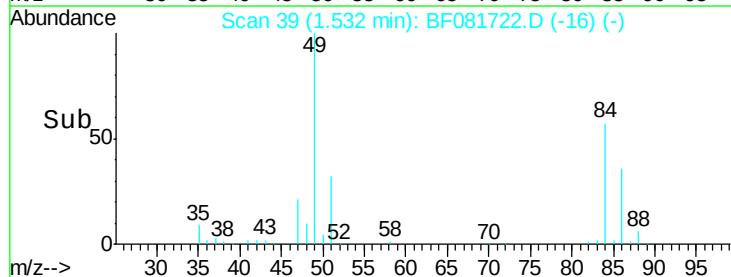
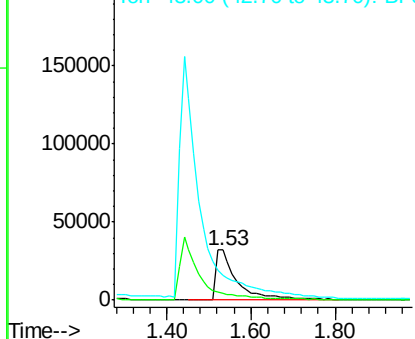
#2

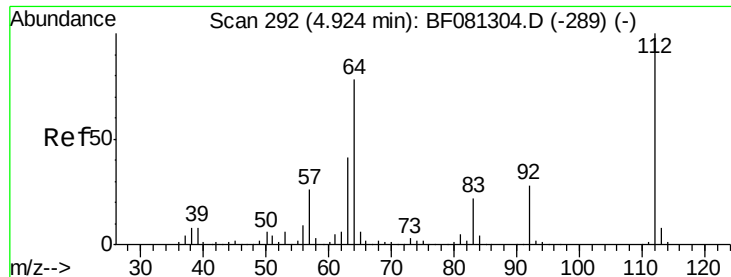
1,4-Dioxane  
Concen: 90.90 ng  
RT: 1.53 min Scan# 39  
Delta R.T. -0.03 min  
Lab File: BF081722.D  
Acq: 21 Sep 2015 19:41

Tgt Ion: 88 Resp: 106043  
Ion Ratio Lower Upper  
88 100  
58 0.0 77.7 116.5#  
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0

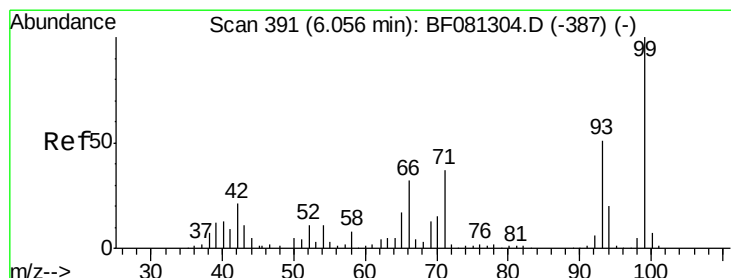
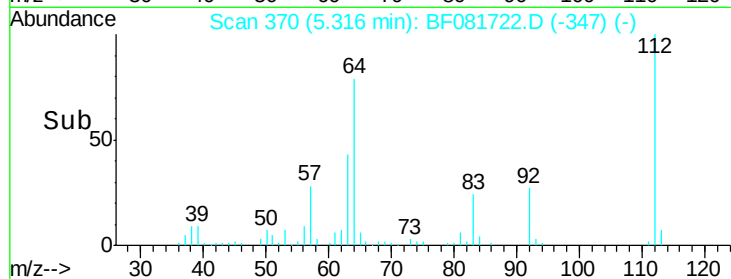
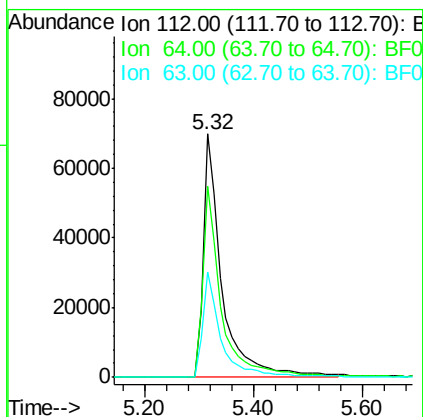
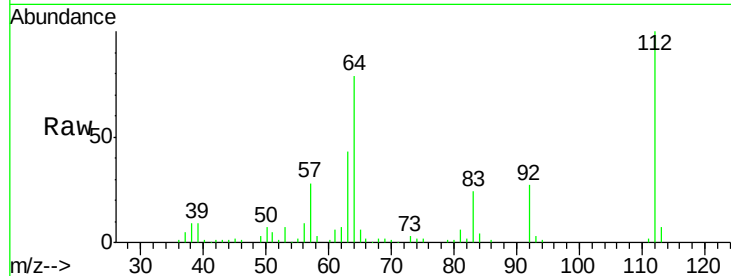




#5  
 2-Fluorophenol  
 Concen: 63.81 ng  
 RT: 5.32 min Scan# 370  
 Delta R.T. -0.03 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

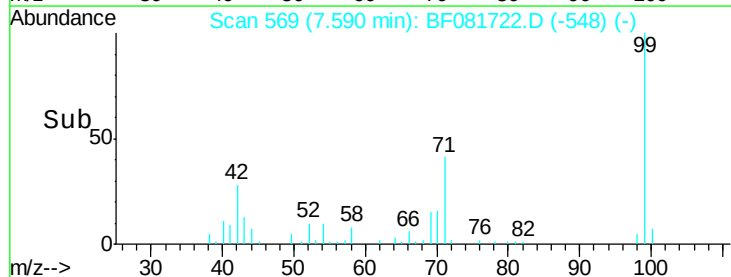
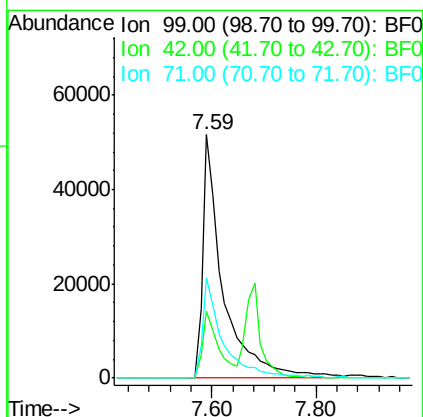
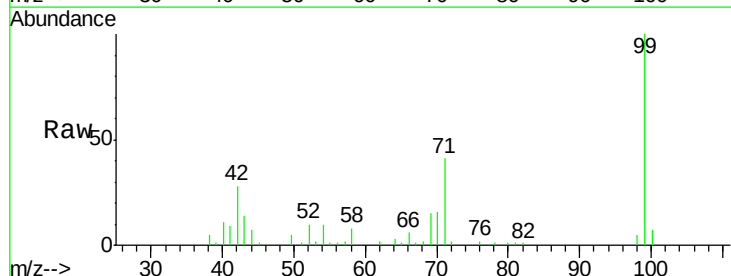
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-1-9-17-15

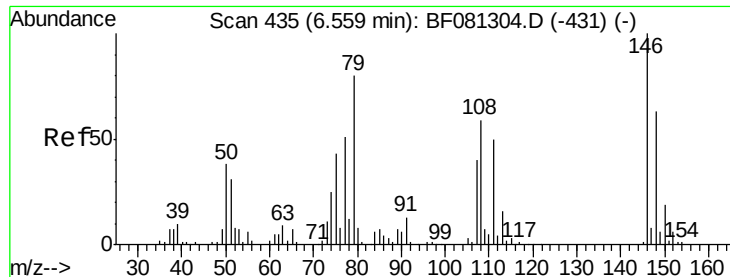
Tgt Ion: 112 Resp: 165744  
 Ion Ratio Lower Upper  
 112 100  
 64 78.7 39.7 59.5#  
 63 43.4 17.4 26.0#



#7  
 Phenol-d6  
 Concen: 40.56 ng  
 RT: 7.59 min Scan# 569  
 Delta R.T. -0.06 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

Tgt Ion: 99 Resp: 139477  
 Ion Ratio Lower Upper  
 99 100  
 42 27.5 13.7 20.5#  
 71 41.1 14.2 21.2#





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 8.48 min Scan# 647

Delta R.T. -0.18 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

Instrument :

BNA\_F

ClientSampled :

PZ-1-9-17-15

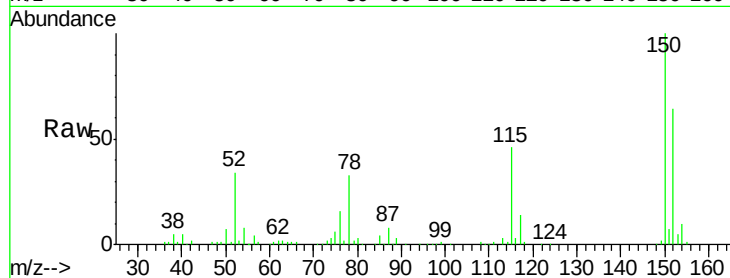
Tgt Ion: 79 Resp: 6390

Ion Ratio Lower Upper

79 100

108 24.9 88.6 132.8#

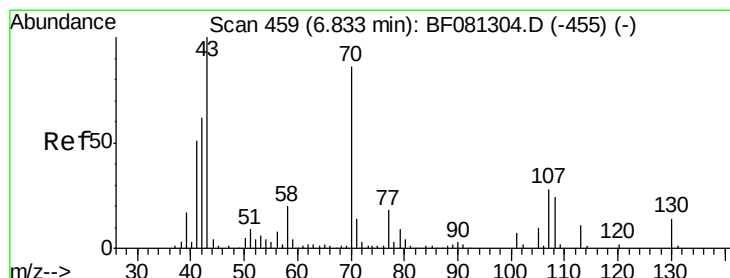
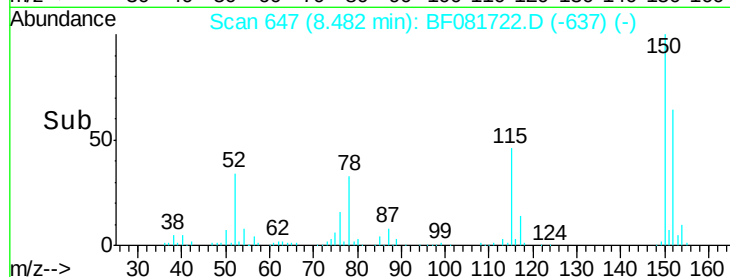
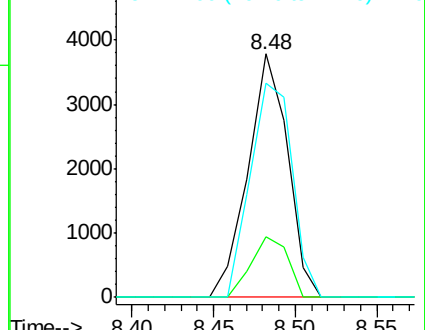
77 88.0 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.41 ng

RT: 9.46 min Scan# 733

Delta R.T. 0.17 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

Tgt Ion: 70 Resp: 45420

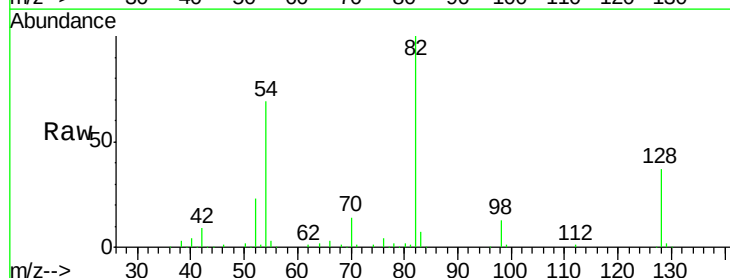
Ion Ratio Lower Upper

70 100

42 61.3 63.8 95.6#

101 0.0 9.2 13.8#

130 1.5 27.3 40.9#

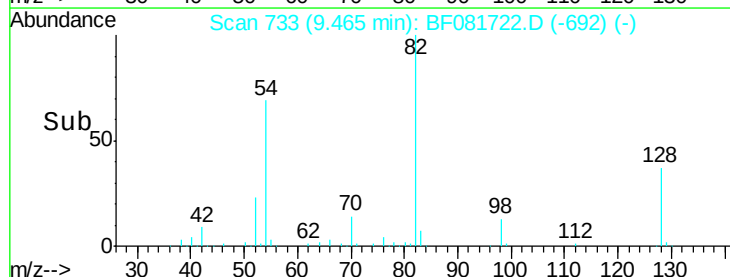
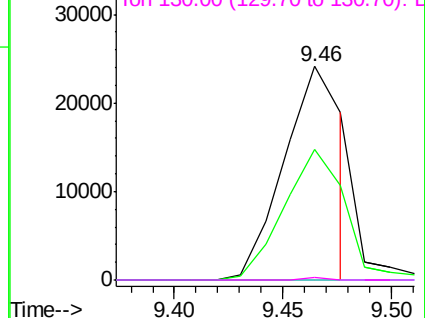


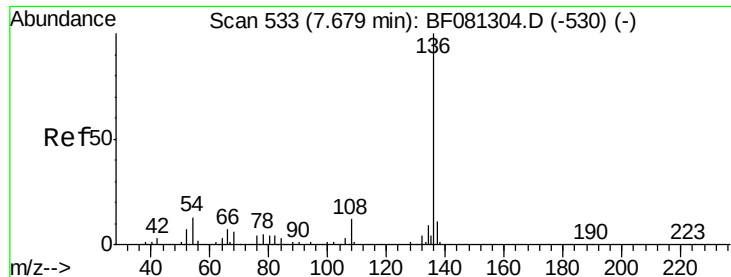
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.05 min Scan# 872

Delta R.T. -0.07 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

Instrument :

BNA\_F

ClientSampleId :

PZ-1-9-17-15

Tgt Ion: 136 Resp: 155322

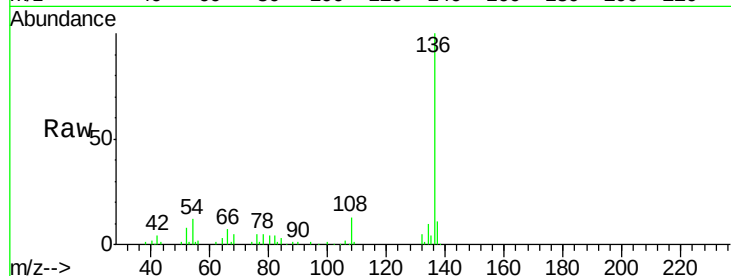
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.3 8.2 12.2#

68 5.2 5.8 8.6#

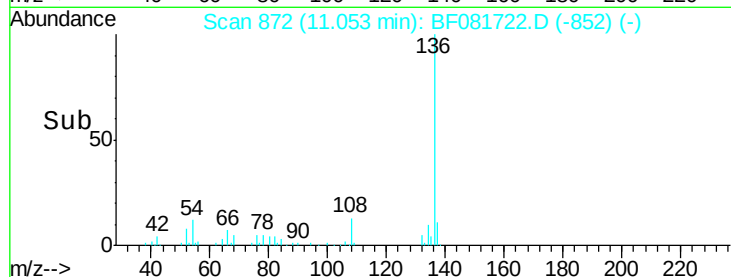


Abundance Ion 136.00 (135.70 to 136.70): E

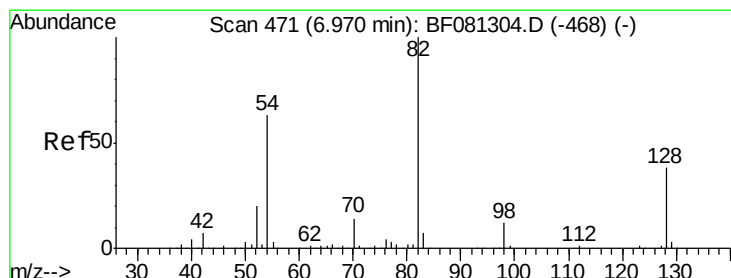
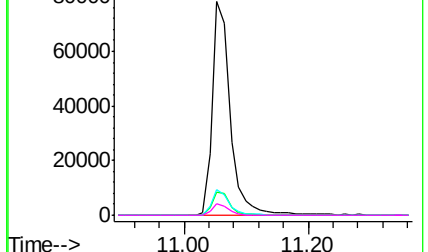
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 115.03 ng

RT: 9.46 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

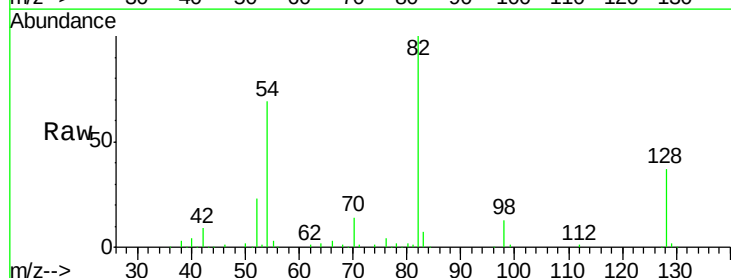
Tgt Ion: 82 Resp: 370323

Ion Ratio Lower Upper

82 100

128 37.2 51.0 76.6#

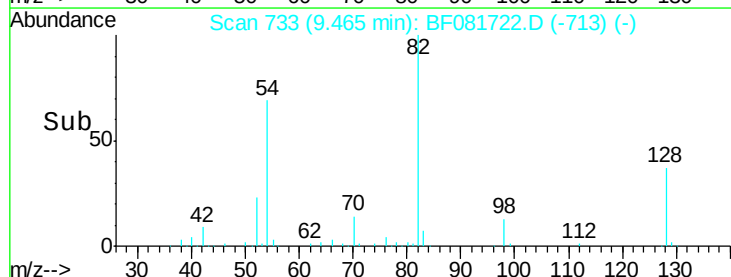
54 69.1 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

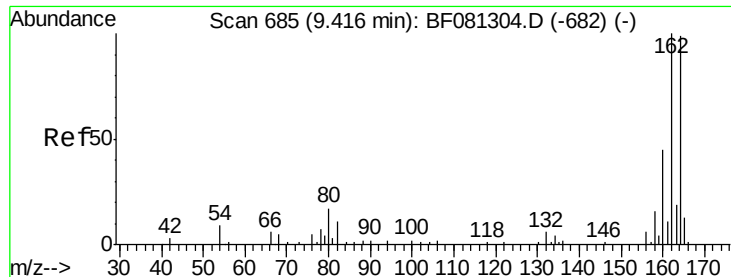
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

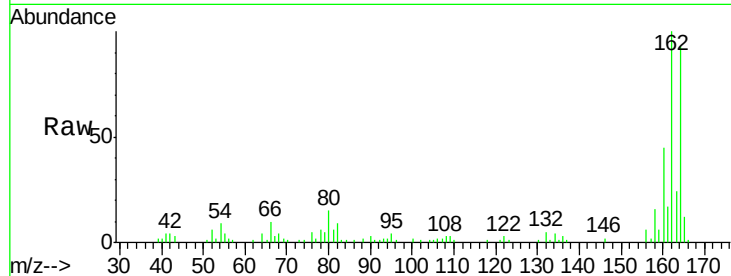




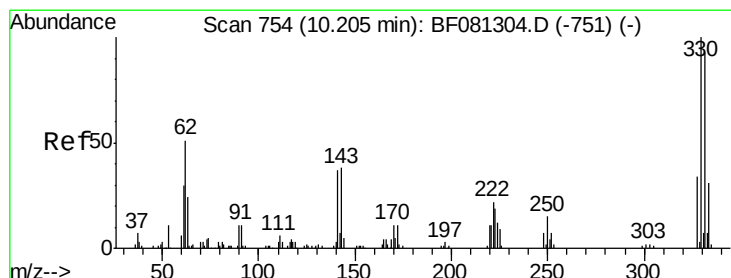
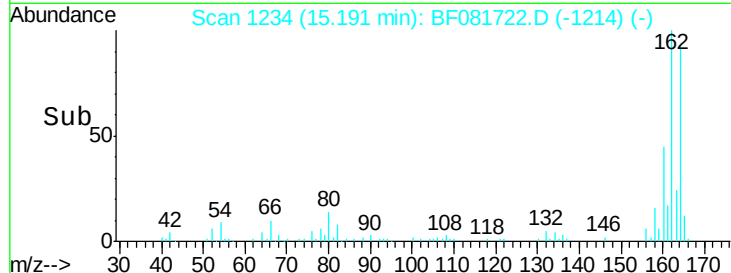
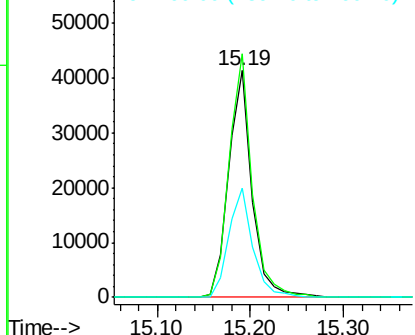
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.19 min Scan# 1234  
 Delta R.T. -0.07 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

Instrument :  
 BNA\_F  
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 PZ-1-9-17-15

Tgt Ion:164 Resp: 72469  
 Ion Ratio Lower Upper  
 164 100  
 162 107.4 75.2 112.8  
 160 48.1 31.5 47.3#

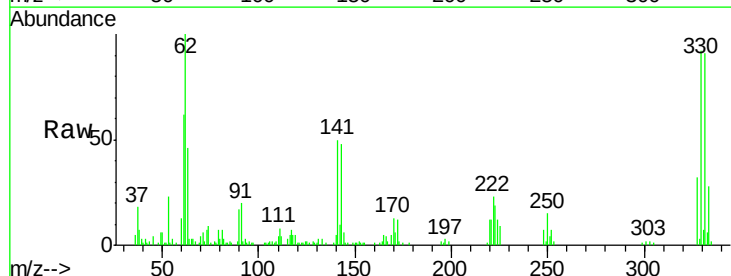


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

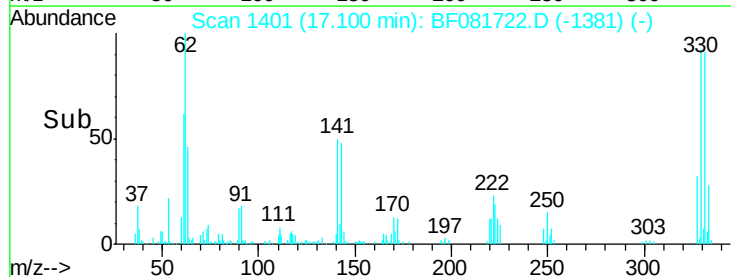
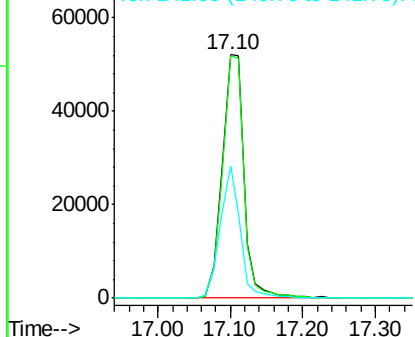


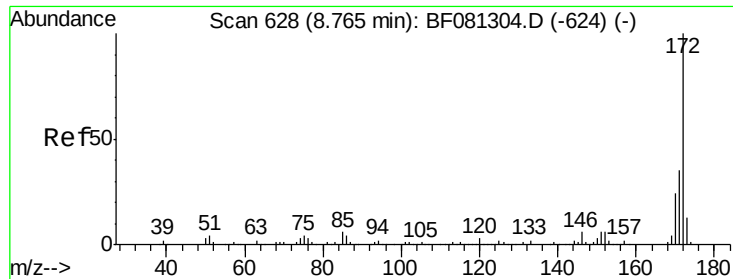
#41  
 2,4,6-Tribromophenol  
 Concen: 168.27 ng  
 RT: 17.10 min Scan# 1401  
 Delta R.T. -0.07 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

Tgt Ion:330 Resp: 108579  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.6 114.8  
 141 49.8 29.7 44.5#



Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

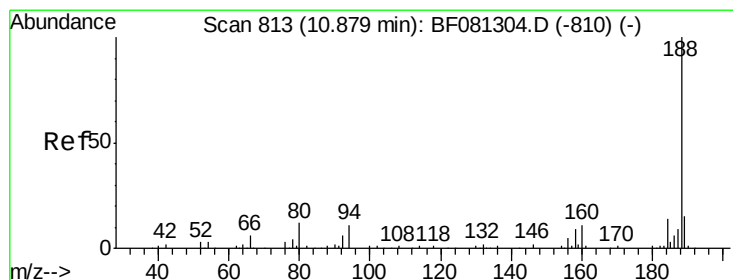
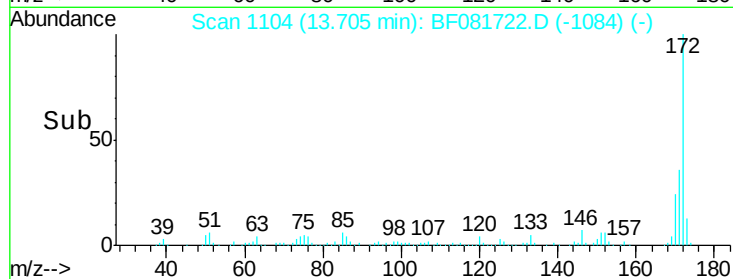
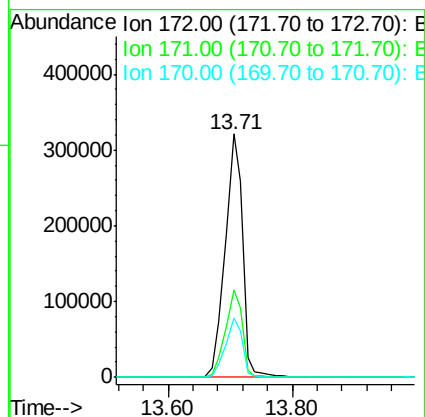
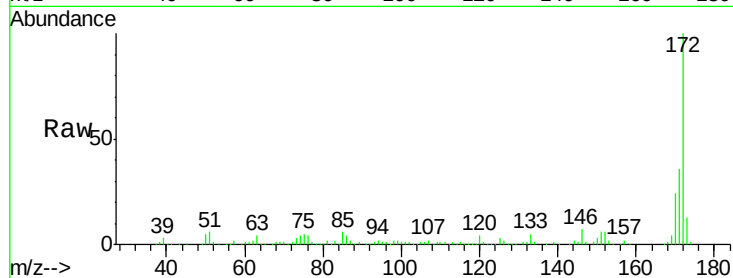




#44  
 2-Fluorobiphenyl  
 Concen: 110.04 ng  
 RT: 13.71 min Scan# 1104  
 Delta R.T. -0.07 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

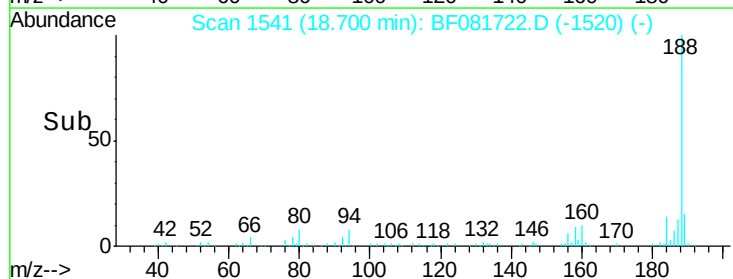
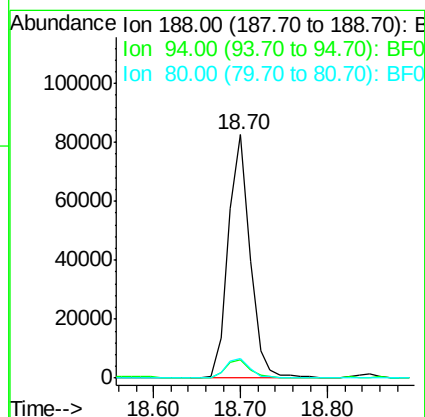
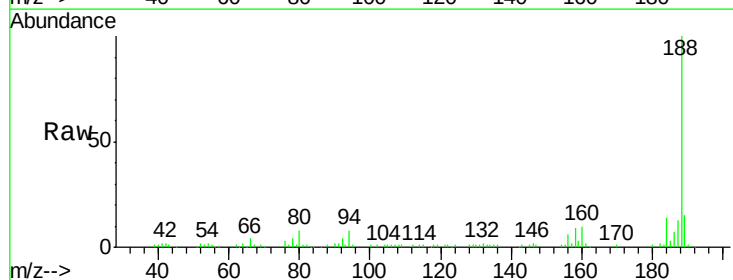
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-1-9-17-15

Tgt Ion:172 Resp: 622312  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 26.1 39.1  
 170 24.4 17.4 26.2

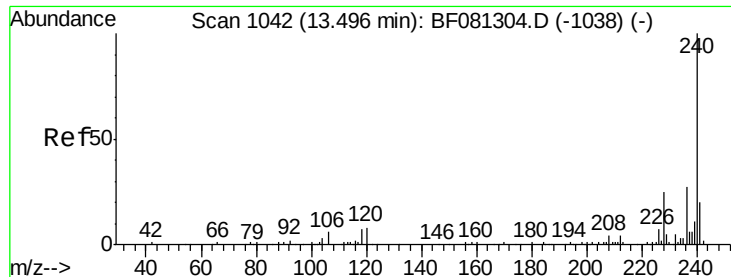


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 18.70 min Scan# 1541  
 Delta R.T. -0.06 min  
 Lab File: BF081722.D  
 Acq: 21 Sep 2015 19:41

Tgt Ion:188 Resp: 143973  
 Ion Ratio Lower Upper  
 188 100  
 94 7.7 11.1 16.7#  
 80 8.2 11.0 16.4#







#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

Instrument :

BNA\_F

ClientSampleId :

PZ-1-9-17-15

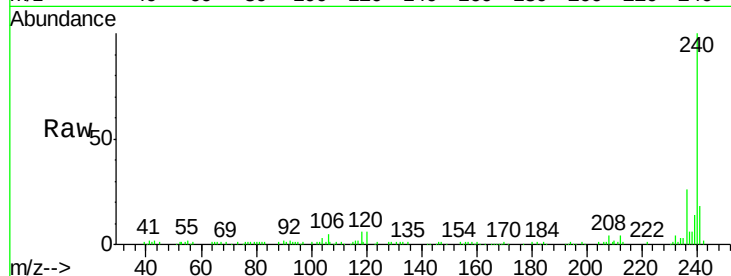
Tgt Ion:240 Resp: 108419

Ion Ratio Lower Upper

240 100

120 5.8 16.2 24.2#

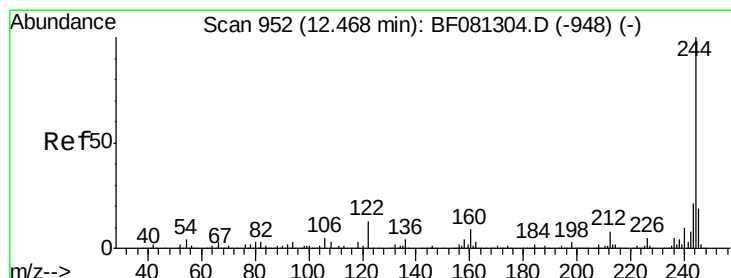
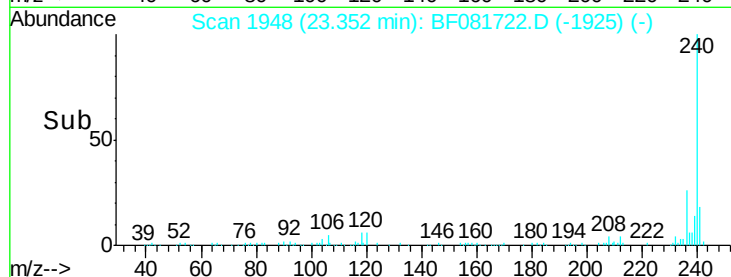
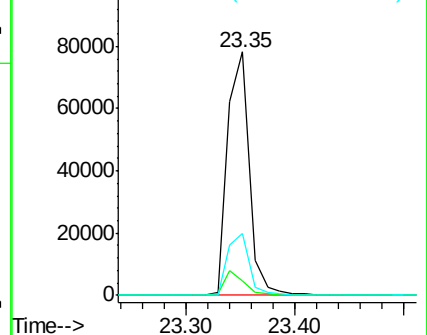
236 25.7 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 112.31 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081722.D

Acq: 21 Sep 2015 19:41

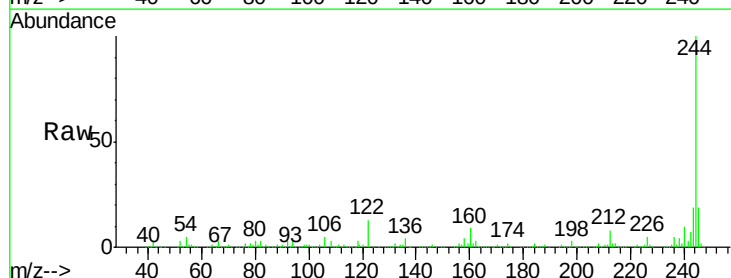
Tgt Ion:244 Resp: 523103

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

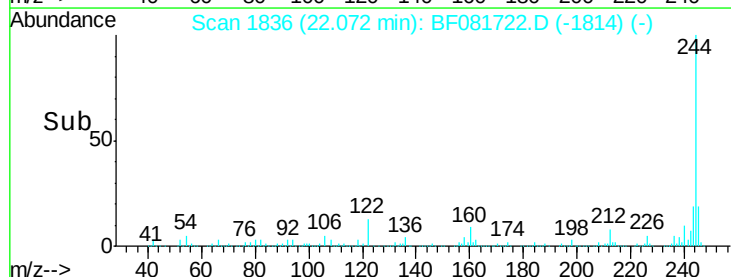
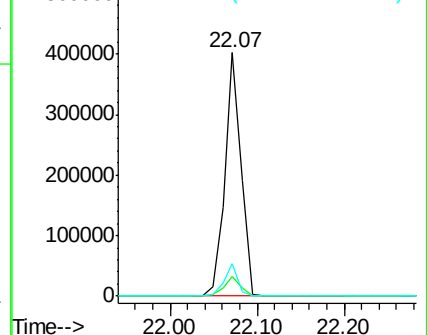
122 13.1 17.4 26.2#

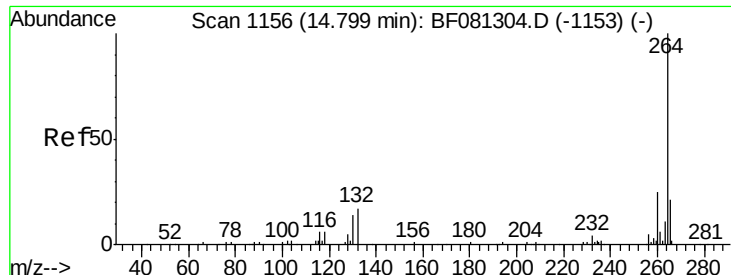


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

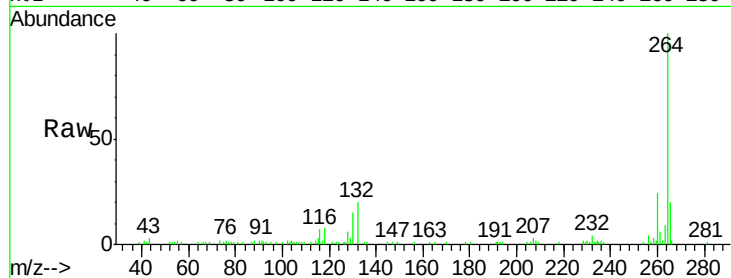




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.78 min Scan# 2073  
Delta R.T. -0.03 min  
Lab File: BF081722.D  
Acq: 21 Sep 2015 19:41

Instrument :  
BNA\_F  
ClientSampleId :  
PZ-1-9-17-15

Tgt Ion: 264 Resp: 79557  
Ion Ratio Lower Upper  
264 100  
260 24.3 16.7 25.1  
265 19.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

